

1/8

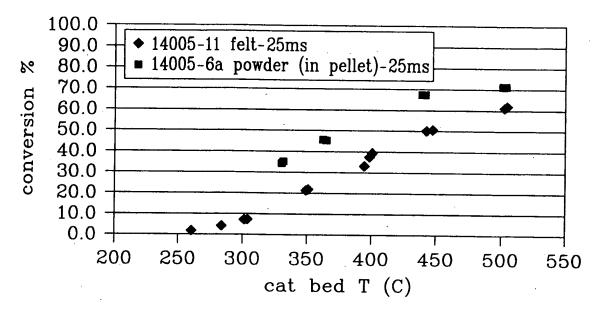


Fig. 1

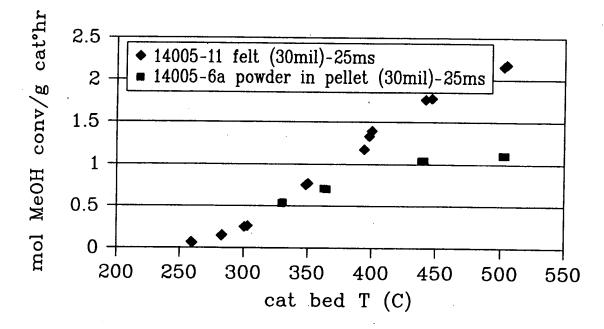


Fig. 2

2/8

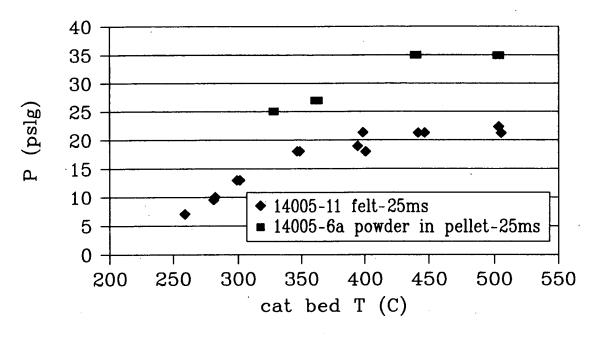
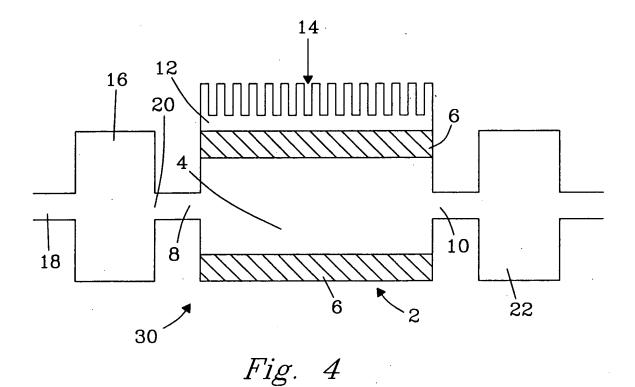
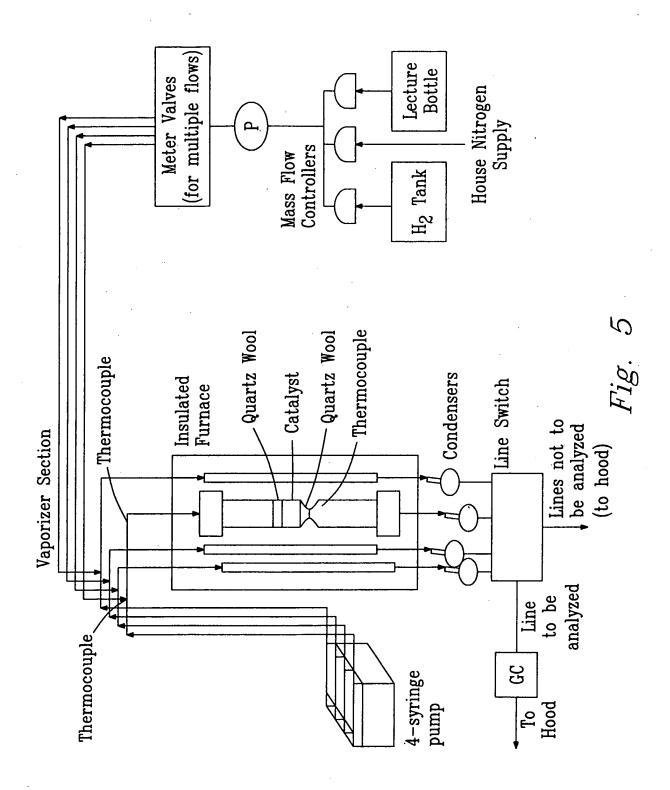


Fig. 3





4/8

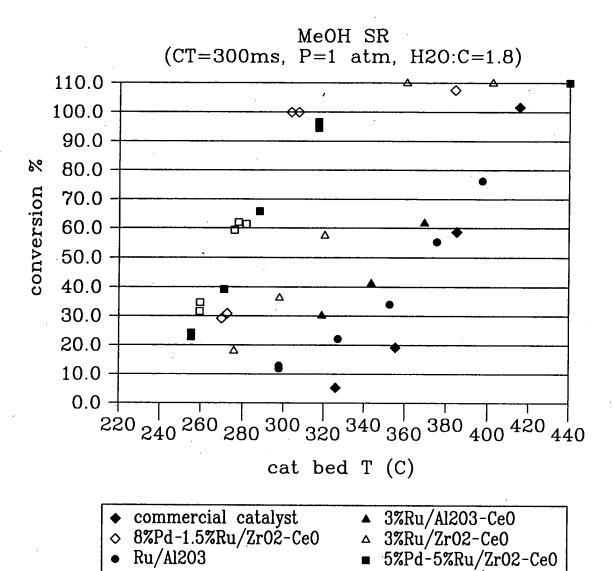
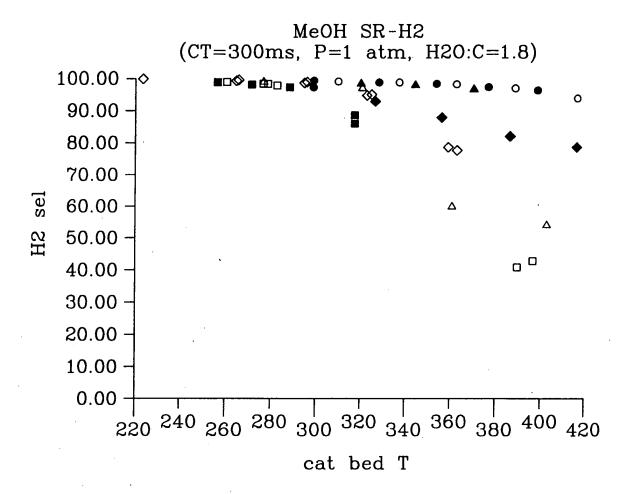


Fig. 6

□ 5%Pd-5%Ru/Zr02-Ce0

5/8



 ◆ commercial catalyst
 △ 3%Ru/Zr02-Ce0

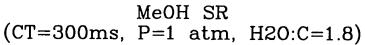
 • Ru/Al203
 • 5%Pd-5%Ru/Zr02-Ce0

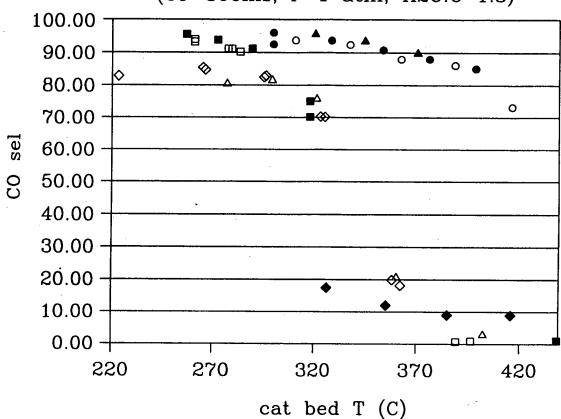
 • 3%Ru/Al203-0.6%K
 □ 5%Pd-5%Ru/Zr02-Ce0

 • 3%Ru/Al203-Ce0
 ◇ 8%Pd-1.5%Ru/Zr02-Ce0

Fig. 7

6/8





- commercial catalyst
- 3%Ru/Zr02-Ce0

5%Pd-5%Ru/Zr02-Ce0

Ru/Al203Ru/Al203-K

- □ 5%Pd-5%Ru/Zr02-Ce0
- 3%Ru/Al203-Ce0
- 8%Pd-1.5%Ru/Zr02-Ce0

Fig. 8

7/8

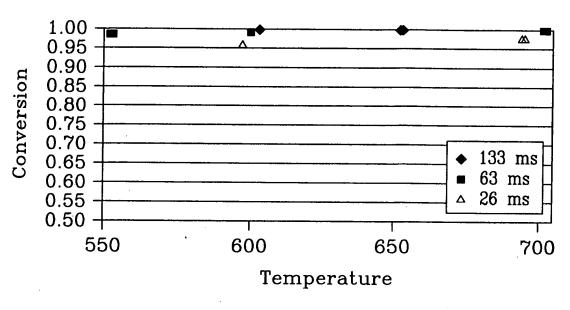
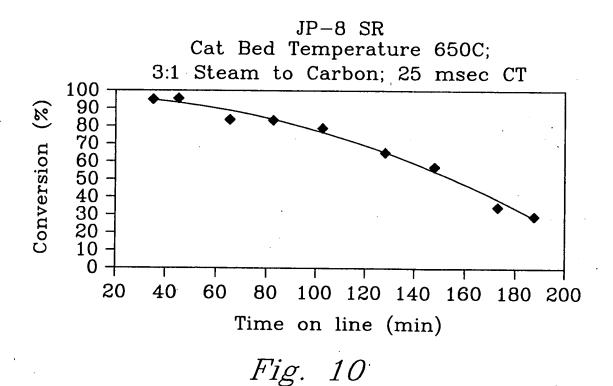


Fig. 9



8/8

Syn Fuel SR 13814-115 powder (R1)

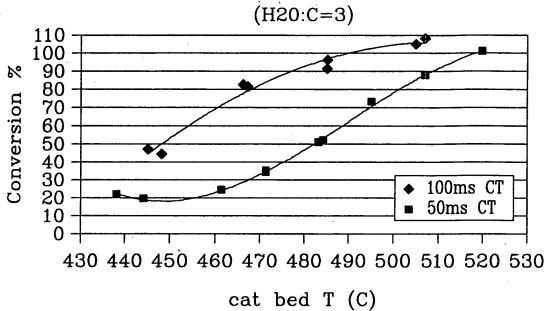
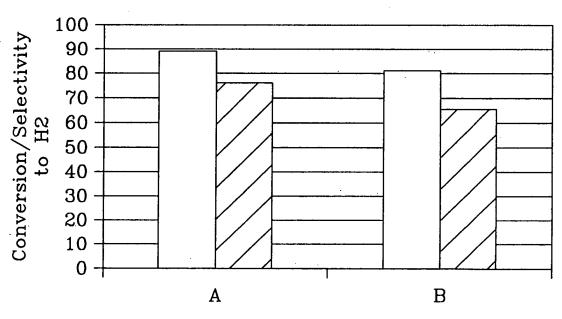


Fig. 11



Catalyst

- □ Conversion

Fig. 12